

Thati Ramya

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EDUCATION

B VRaju Institute of Technology

Bachelor of Technology in Computer Science

Narsapur, Telangana

2022 - Present CGPA: 9.35/10

- Relevant Coursework: Database Management Systems, Computer Networks, Operating Systems, Object-Oriented-Programming (OOPS), Data Structures and Algorithms

EXPERIENCE

Indian Institute of Science Campus-National Institute of Advanced Studies

Aug 2024- Sep 2024

Research Intern (Certificate)

Bangalore

- Performed analysis of remote sensing data and satellite imagery to detect rubber plantations, including estimating their age across various regions.
- Collaborated with a multidisciplinary team to integrate environmental data with machine learning model.

PROJECTS & PUBLICATIONS

Brain Tumor Detection via GANs | *Flask, GANs, Python, Html, CSS, VGG19*

(Project, Publication- [link](#))

- Leveraged GANs and VGG19 to enhance brain tumor detection, aiming for improved diagnostic accuracy and potentially reducing diagnosis time by 80%.
- TensorFlow and Keras were implemented to train and deploy deep learning models, resulting in a reduction of 25% false negative detections.

EventPulse- Event Booking Platform | *React, Tailwind CSS, Node.js, MySQL*

(Project- [link](#))

- Developed a full-stack event booking platform using React, TypeScript, Node.js, and MySQL with real-time seat selection.
- Enabled live chat support and instant booking updates, improving user engagement by 40%.

AI-Driven Adaptation and Mitigation Strategies for Climate Change

(Publication - [link](#))

- Researched AI-driven frameworks for climate adaptation, contributing to models with up to 70% forecast accuracy improvement.
- Leveraged machine learning algorithms to enhance decision-making, improving real-time data integration by 40%.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML, CSS

Backend & Frameworks: React, Node.js, API, Express.js

Tools: Git/Github, Postman, Figma, Machine learning fundamentals

ACHIEVEMENTS

- Selected as the best project of the year at the Prelims of IEEE YESIST12 'KAUSHALYA' open house expo 2024
- Awarded first prize in the TECHSURGE-2K24 'Prastuthi' Idea Pitching event held at BVRIT, Narsapur.
- Published insights in IEEE ICCPCT Kerela, emphasizing data-driven strategies to address climate risks.
- Winner of Hackathon at Promethean 2K25, BVRIT
- Published research in IJECE (Scopus-indexed), presenting novel deep learning approaches for improving accuracy in brain tumor imaging

CERTIFICATIONS

- Java Developer certification - Infosys Springboard
- Database Programming with SQL - Oracle Academy
- Python Certification - Cisco Networking